

Inclusive-Exploring Computer Science (I-ECS)

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To create access to the Exploring Computer Science curriculum and to broaden participation of students with visual impairments, the I-ECS team at Rochester Institute of Technology has developed enhancements for the Human Computer Interaction, Problem Solving, Robotics, Web Design, and Data Analysis units. The enhancements include software tools, such as Glance for data analysis and JBrick for robotics programming, as well as physical, tactile, and auditory curricular accommodations. The SEEC team is studying usability and the extent to which the enhancements support participation, engagement, and learning for students with visual impairments.

Clients and Collaborators:

Rochester Institute of Technology

Funder:

National Science Foundation - CE21 (CNS1240856 and CNS1240809)

Our Role:

Primary Researcher

Project Staff:

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Project Website:

- [Inclusive-Exploring Computer Science at TERC](#)
- <http://www.se.rit.edu/~iecs/index.html>